

HAKAN OKAY

Software Developer who loves solving real-world problems with a versatile toolkit

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RELEVANT EXPERIENCE

Software Developer

Feb 2023 – Present

Freelance

Ottawa, ON

- Engineered and optimized end-to-end machine learning pipelines utilizing Python, Docker, BigQuery, XGBoost, Scikit-learn for predicting conversion likelihood from user-generated events
- Implemented and deployed secure, scalable APIs to the cloud for the trained machine learning models using Docker, FastAPI, Google Cloud Run, and Google Container Registry
- Enhanced CRM data workflows by establishing cloud-based data warehousing on virtual machine databases, orchestrating scheduled updates with Linux, Python, Pandas, and Bash on Google Compute Engine
- Performed data mining using Scrapy and Selenium to streamline and fortify data collection, providing a reliable foundation for robust data analysis
- Transformed raw data into actionable insights by designing interactive dashboards with tools like Looker and Google Data Studio, empowering businesses with valuable visualizations

Data Scientist

Mar 2022 – Feb 2023

Datablast - datablast.io

Istanbul, Turkey (Remote)

Datablast is a B2B SaaS startup that empowers data teams with cloud infrastructure to efficiently manage data pipelines using Airflow and Kubernetes

- Developed data ingestion operators, backend endpoints, and performed cloud model deployment using modern tooling, delivering well-documented, unit-tested code within an Agile framework
- Engaged in strategic partnerships with leading game development firms across Europe, delivering actionable insights via data analytics, engineering, and machine learning pipelines ([Ruby](#), [Joygame](#), [Rovio](#))
- Engineered endpoints to drive user retention, optimize applications through A/B testing, and enable data-driven decision-making within the Blast Data Platform, resulting in remarkable application growths of up to 30%
- Designed and maintained Big Data ETL\ELT pipelines for cleaning, processing, and managing ~2 million daily generated rows of data, Python, Airflow, Amazon Athena & S3, Google BigQuery/Storage, and Snowflake for efficient data warehousing

TECHNICAL SKILLS

Programming Languages: Python, SQL (various flavours), Java, HTML/CSS/JavaScript, Typescript, NoSQL (MongoDB)

Libraries & Frameworks: pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, FastAPI, Node, Express, React, Next.js

Tools & Platforms: Linux, Git, GitHub, Docker, Apache Airflow, Google Cloud Platform, Looker, Metabase, Excel

PROJECTS

Blast Data Platform Python | SQL | Airflow | Kubernetes | Docker | GCP | Laravel | FastAPI | Linux | Firebase | Jinja | Vue.js

Conversion Forecast Python | SQL | PHP | Bash | Docker | Github CI/CD | Scikit-learn | Tensorflow | GCP | FastAPI

NBA Analytics Dashboard Python | HTML/CSS/Javascript | SQL | Airflow | Bash | Dash | Scikit-learn

Gem Trend Python | Pandas | SQL | Bash | Streamlit | Scikit-learn

EDUCATION

Algonquin College of Applied Arts and Technology

Ottawa, ON

Diploma in Computer Programming | Dean's Honours List | GPA 3.98/4.0

Sep 2022 – Dec 2023

Miuiul & Data Science Academy (Bootcamp)

Certificate in Data Science and Machine Learning | Final Project Hackathon (1st place)

Uppsala, Sweden (Remote)

Dec 2021 – Mar 2022

Canakkale Onsekiz Mart University

Master's Degree in Engineering | Success Scholarship | GPA 3.86/4.0

Canakkale, Turkey

Feb 2021 – Feb 2024

Akdeniz University

Bachelor's Degree in Engineering | Erasmus+ Student Exchange Programme

Antalya, Turkey

Sep 2014 – Sep 2019